Storm Data and Unusual Weather Phenomena - February 2013

Location Date/Time Deaths & Property & **Event Type and Details** Injuries Crop Dmg KANSAS, Extreme Southeast (KS-Z073) BOURBON, (KS-Z097) CRAWFORD, (KS-Z101) CHEROKEE 02/01/13 00:00 CST 0 Drought 02/28/13 23:59 CST 0 February was near or slightly above normal on precipitation resulting in the improvement of drought conditions but long term drought conditions continued across southeast Kansas. (KS-Z073) BOURBON, (KS-Z097) CRAWFORD, (KS-Z101) CHEROKEE 02/21/13 05:00 CST 0 Winter Storm 02/21/13 18:00 CST 0 A winter storm brought a mix of freezing rain, sleet and snow to extreme southeastern Kansas and the Missouri Ozarks during the day of February 21. Precipitation which started as light snow transitioned over to freezing rain and sleet. The winter precipitation was accompanied by thunderstorms which produced heavier rounds of sleet and freezing rain. One to two inches of sleet was common along with a glaze of ice ranging from a trace to one guarter of an inch. Locally higher accumulations of freezing rain up to one half of an inch occurred in far south central Missouri resulting in downed tree limbs and power outages. Further north across portions of west central and central Missouri snow accumulations ranged from one to three inches. (KS-Z073) BOURBON, (KS-Z097) CRAWFORD 02/25/13 15:00 CST 0 Winter Storm 02/26/13 10:00 CST

A winter storm brought moderate to heavy snowfall to portions of southeastern Kansas and central Missouri. Total snowfall generally ranged from four to eight inches.

MISSOURI, Southwest

02/01/13 00:00 CST 0 Drought

02/28/13 23:59 CST 0

February was near or slightly above normal on precipitation resulting in the improvement of drought conditions but long term drought conditions continued for portions of the Missouri Ozarks.

POLK COUNTY --- 4.1 ENE HALF WAY [37.64, -93.18]

 02/18/13 14:40 CST
 5K
 Thunderstorm Wind (EG 52 kt)

 02/18/13 14:41 CST
 0
 Source: Emergency Manager

Emergency manager reported that two small wooden barns were destroyed and one tree was blown down. The time of event was estimated from radar.

An isolated strong to severe thunderstorm produced a report of minor wind damage.

(MO-Z055) BENTON, (MO-Z056) MORGAN, (MO-Z057) MILLER, (MO-Z058) MARIES, (MO-Z066) VERNON, (MO-Z067) ST. CLAIR, (MO-Z068) HICKORY, (MO-Z069) CAMDEN, (MO-Z070) PULASKI, (MO-Z071) PHELPS, (MO-Z077) BARTON, (MO-Z078) CEDAR, (MO-Z079) POLK, (MO-Z080) DALLAS, (MO-Z081) LACLEDE, (MO-Z082) TEXAS, (MO-Z083) DENT, (MO-Z088) JASPER, (MO-Z089) DADE, (MO-Z090) GREENE, (MO-Z091) WEBSTER, (MO-Z092) WRIGHT, (MO-Z093) NEWTON, (MO-Z094) LAWRENCE, (MO-Z095) CHRISTIAN, (MO-Z096) DOUGLAS, (MO-Z097) HOWELL, (MO-Z098) SHANNON, (MO-Z101) MCDONALD, (MO-Z102) BARRY, (MO-Z103) STONE, (MO-Z104) TANEY, (MO-Z105) OZARK, (MO-Z106) OREGON

02/21/13 05:00 CST 0 Winter Storm

02/21/13 20:00 CST 0

A winter storm brought a mix of freezing rain, sleet and snow to extreme southeastern Kansas and the Missouri Ozarks during the day of February 21. Precipitation which started as light snow transitioned over to freezing rain and sleet. The winter precipitation was accompanied by thunderstorms which produced heavier rounds of sleet and freezing rain. One to two inches of sleet was common along with a glaze of ice ranging from a trace to one quarter of an inch. Locally higher accumulations of freezing rain up to one half of an inch occurred in far south central Missouri resulting in downed tree limbs and power outages. Further north across portions of west central and central Missouri snow accumulations ranged from one to three inches.

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	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
GREENE COUNTY 1.8 S MENTOR [37.0				
	02/25/13 15:00 CST		0.30M	Lightning
	02/25/13 15:00 CST		0	Source: Broadcast Media
A fire caused by a lightning strike destroyed in the caused by a lightning strike destroyed	d an office building of the Journagan	n Construction qua	rry operations near	Farm Road 194 and Farm Road 195.
A thunderstorm produced a lightning stri	ke which hit a building on the sou	theast side of Spr	ingfield.	
(MO-Z055) BENTON, (MO-Z056) MORGAN		ERNON, (MO-Z067	') ST. CLAIR, (MO-	Z068) HICKORY, (MO-Z069)
CAMDEN, (MO-Z078) CEDAR, (MO-Z080)	DALLAS, (MO-Z089) DADE 02/25/13 18:00 CST		0	Winter Storm
	02/26/13 12:00 CST		0	William Glorini
A winter storm brought moderate to heav ranged from four to eight inches with loc				Total snowfall generally
DOUGLAS COUNTY 0.9 NE ANN [37.04		9], 0.7 NE ANN [37		
	02/25/13 23:40 CST		0	Flood (due to Heavy Rain)
	02/26/13 01:40 CST		0	Source: Department of Highways
MODOT reported that the low water crossing	ng on Highway EE was flooded.			
DOUGLAS COUNTY 2.4 NNE ARNO [36	6.96, -92.73], 2.3 NNE ARNO [36.96, 02/26/13 01:14 CST	, -92.73], 2.1 NNE	ARNO [36.96, -92.7	73], 2.2 NNE ARNO [36.96, -92.73] Flood (due to Heavy Rain)
	02/26/13 03:14 CST		0	Source: Law Enforcement
DOUGLAS COUNTY 1.6 E AVA [36.95, -	02/26/13 01:40 CST	, 1.6 ENE AVA [36.	0	Flood (due to Heavy Rain)
OOUGLAS COUNTY 1.6 E AVA [36.95, -		, 1.6 ENE AVA [36.	=	
	02/26/13 01:40 CST 02/26/13 03:40 CST	, 1.6 ENE AVA [36.	0	Flood (due to Heavy Rain)
MODOT reported that the low water crossing SHANNON COUNTY 6.2 S OWLS BENE	02/26/13 01:40 CST 02/26/13 03:40 CST ng along Highway FF was flooded.		0	Flood (due to Heavy Rain) Source: Department of Highways
MODOT reported that the low water crossing the second seco	02/26/13 01:40 CST 02/26/13 03:40 CST ng along Highway FF was flooded.		0	Flood (due to Heavy Rain) Source: Department of Highways
MODOT reported that the low water crossing SHANNON COUNTY 6.2 S OWLS BENI [37.09, -91.21]	02/26/13 01:40 CST 02/26/13 03:40 CST ng along Highway FF was flooded. D [37.09, -91.21], 6.1 S OWLS BEND		0 0 0 S OWLS BEND I	Flood (due to Heavy Rain) Source: Department of Highways [37.09, -91.21], 6.0 S OWLS BEND
MODOT reported that the low water crossins SHANNON COUNTY 6.2 S OWLS BENE [37.09, -91.21]	02/26/13 01:40 CST 02/26/13 03:40 CST ng along Highway FF was flooded. D [37.09, -91.21], 6.1 S OWLS BEND 02/26/13 03:40 CST 02/26/13 05:40 CST		0 0 0 S OWLS BEND 	Flood (due to Heavy Rain) Source: Department of Highways [37.09, -91.21], 6.0 S OWLS BEND Flood (due to Heavy Rain)
MODOT reported that the low water crossing SHANNON COUNTY 6.2 S OWLS BENI [37.09, -91.21] MODOT reported that the low water crossing significant contents are constituted by the second contents and contents are contents are constituted by the second contents are contents ar	02/26/13 01:40 CST 02/26/13 03:40 CST ng along Highway FF was flooded. D [37.09, -91.21], 6.1 S OWLS BEND 02/26/13 03:40 CST 02/26/13 05:40 CST ng along Highway NN was flooded.) [37.09, -91.21], 6.	0 0 S OWLS BEND 0 0	Flood (due to Heavy Rain) Source: Department of Highways [37.09, -91.21], 6.0 S OWLS BEND Flood (due to Heavy Rain) Source: Department of Highways
MODOT reported that the low water crossing SHANNON COUNTY 6.2 S OWLS BENE	02/26/13 01:40 CST 02/26/13 03:40 CST ng along Highway FF was flooded. D [37.09, -91.21], 6.1 S OWLS BEND 02/26/13 03:40 CST 02/26/13 05:40 CST ng along Highway NN was flooded.) [37.09, -91.21], 6.	0 0 S OWLS BEND 0 0	Flood (due to Heavy Rain) Source: Department of Highways [37.09, -91.21], 6.0 S OWLS BEND Flood (due to Heavy Rain) Source: Department of Highways SLIGO [37.78, -91.37] Flood (due to Heavy Rain)
MODOT reported that the low water crossing SHANNON COUNTY 6.2 S OWLS BENI [37.09, -91.21] MODOT reported that the low water crossing DENT COUNTY 0.6 E SLIGO [37.78, -91]	02/26/13 01:40 CST 02/26/13 03:40 CST ng along Highway FF was flooded. D [37.09, -91.21], 6.1 S OWLS BEND 02/26/13 03:40 CST 02/26/13 05:40 CST ng along Highway NN was flooded. 1.37], 0.7 ESE SLIGO [37.77, -91.37] 02/26/13 04:00 CST 02/26/13 06:00 CST) [37.09, -91.21], 6.	0 0 S OWLS BEND 0 0	Flood (due to Heavy Rain) Source: Department of Highways [37.09, -91.21], 6.0 S OWLS BEND Flood (due to Heavy Rain) Source: Department of Highways
MODOT reported that the low water crossing SHANNON COUNTY 6.2 S OWLS BENE [37.09, -91.21] MODOT reported that the low water crossing DENT COUNTY 0.6 E SLIGO [37.78, -91] MODOT reported that the low water crossing DENT COUNTY 0.7 N MAMMOTH [36]	02/26/13 01:40 CST 02/26/13 03:40 CST Ing along Highway FF was flooded. D [37.09, -91.21], 6.1 S OWLS BENE 02/26/13 03:40 CST 02/26/13 05:40 CST Ing along Highway NN was flooded. 1.37], 0.7 ESE SLIGO [37.77, -91.37] 02/26/13 04:00 CST 02/26/13 06:00 CST Ing along Highway TT was flooded.) [37.09, -91.21], 6.	0 0 S OWLS BEND 0 0 7.78, -91.37], 0.4 E	Flood (due to Heavy Rain) Source: Department of Highways [37.09, -91.21], 6.0 S OWLS BEND Flood (due to Heavy Rain) Source: Department of Highways SLIGO [37.78, -91.37] Flood (due to Heavy Rain) Source: Department of Highways
MODOT reported that the low water crossing SHANNON COUNTY 6.2 S OWLS BENE 37.09, -91.21] MODOT reported that the low water crossing DENT COUNTY 0.6 E SLIGO [37.78, -91] MODOT reported that the low water crossing DENT COUNTY 0.7 N MAMMOTH [36]	02/26/13 01:40 CST 02/26/13 03:40 CST Ing along Highway FF was flooded. D [37.09, -91.21], 6.1 S OWLS BEND 02/26/13 03:40 CST 02/26/13 05:40 CST Ing along Highway NN was flooded. 1.37], 0.7 ESE SLIGO [37.77, -91.37] 02/26/13 04:00 CST 02/26/13 06:00 CST Ing along Highway TT was flooded. 1.54, -92.40], 0.5 N MAMMOTH [36.54]) [37.09, -91.21], 6.	0 0 S OWLS BEND 0 0 7.78, -91.37], 0.4 E 0 0	Flood (due to Heavy Rain) Source: Department of Highways [37.09, -91.21], 6.0 S OWLS BEND Flood (due to Heavy Rain) Source: Department of Highways SLIGO [37.78, -91.37] Flood (due to Heavy Rain) Source: Department of Highways
MODOT reported that the low water crossing SHANNON COUNTY 6.2 S OWLS BENE [37.09, -91.21] MODOT reported that the low water crossing DENT COUNTY 0.6 E SLIGO [37.78, -91] MODOT reported that the low water crossing DENT COUNTY 0.7 N MAMMOTH [36]	02/26/13 01:40 CST 02/26/13 03:40 CST Ing along Highway FF was flooded. D [37.09, -91.21], 6.1 S OWLS BEND 02/26/13 03:40 CST 02/26/13 05:40 CST Ing along Highway NN was flooded. 1.37], 0.7 ESE SLIGO [37.77, -91.37] 02/26/13 04:00 CST 02/26/13 06:00 CST Ing along Highway TT was flooded. 1.54, -92.40], 0.5 N MAMMOTH [36.5-02/26/13 07:00 CST) [37.09, -91.21], 6.	0 0 S OWLS BEND 0 0 7.78, -91.37], 0.4 E	Flood (due to Heavy Rain) Source: Department of Highways [37.09, -91.21], 6.0 S OWLS BEND Flood (due to Heavy Rain) Source: Department of Highways SLIGO [37.78, -91.37] Flood (due to Heavy Rain) Source: Department of Highways 4, -92.40], 0.7 N MAMMOTH [36.54, Flood (due to Heavy Rain)
MODOT reported that the low water crossing SHANNON COUNTY 6.2 S OWLS BENI [37.09, -91.21] MODOT reported that the low water crossing significant contents are constituted by the second contents and contents are crossing significant contents.	02/26/13 01:40 CST 02/26/13 03:40 CST Ing along Highway FF was flooded. D [37.09, -91.21], 6.1 S OWLS BEND 02/26/13 03:40 CST 02/26/13 05:40 CST Ing along Highway NN was flooded. D [37.7, -91.37] 02/26/13 04:00 CST 02/26/13 06:00 CST Ing along Highway TT was flooded. D [37.7, -92.40], 0.5 N MAMMOTH [36.54] 02/26/13 07:00 CST 02/26/13 09:00 CST) [37.09, -91.21], 6.	0 0 S OWLS BEND 0 0 7.78, -91.37], 0.4 E 0 0	Flood (due to Heavy Rain) Source: Department of Highways [37.09, -91.21], 6.0 S OWLS BEND Flood (due to Heavy Rain) Source: Department of Highways SLIGO [37.78, -91.37] Flood (due to Heavy Rain) Source: Department of Highways
MODOT reported that the low water crossing SHANNON COUNTY 6.2 S OWLS BENI [37.09, -91.21] MODOT reported that the low water crossing DENT COUNTY 0.6 E SLIGO [37.78, -91] MODOT reported that the low water crossing OZARK COUNTY 0.7 N MAMMOTH [36-92.40]	02/26/13 01:40 CST 02/26/13 03:40 CST Ing along Highway FF was flooded. D [37.09, -91.21], 6.1 S OWLS BEND 02/26/13 03:40 CST 02/26/13 05:40 CST Ing along Highway NN was flooded. D [37.77, -91.37] 02/26/13 04:00 CST 02/26/13 06:00 CST Ing along Highway TT was flooded. D [37.77, -91.37] 02/26/13 06:00 CST 02/26/13 07:00 CST 02/26/13 07:00 CST 02/26/13 09:00 CST Ing along Highway T was flooded.	0 [37.09, -91.21], 6. , 0.5 SE SLIGO [3	0 0 S OWLS BEND 0 0 7.78, -91.37], 0.4 E 0 0	Flood (due to Heavy Rain) Source: Department of Highways [37.09, -91.21], 6.0 S OWLS BEND Flood (due to Heavy Rain) Source: Department of Highways SLIGO [37.78, -91.37] Flood (due to Heavy Rain) Source: Department of Highways 4, -92.40], 0.7 N MAMMOTH [36.54, Flood (due to Heavy Rain) Source: Department of Highways
MODOT reported that the low water crossing SHANNON COUNTY 6.2 S OWLS BENIX [37.09, -91.21] MODOT reported that the low water crossing DENT COUNTY 0.6 E SLIGO [37.78, -91] MODOT reported that the low water crossing COUNTY 0.7 N MAMMOTH [36.92.40]	02/26/13 01:40 CST 02/26/13 03:40 CST Ing along Highway FF was flooded. D [37.09, -91.21], 6.1 S OWLS BEND 02/26/13 03:40 CST 02/26/13 05:40 CST Ing along Highway NN was flooded. D [37.77, -91.37] 02/26/13 04:00 CST 02/26/13 06:00 CST Ing along Highway TT was flooded. D [37.77, -91.37] 02/26/13 06:00 CST Ing along Highway TT was flooded. D [37.77, -91.37] 02/26/13 06:00 CST Ing along Highway TT was flooded. D [36.77, -92.40], 1.0 SE ROCKBRI	0 [37.09, -91.21], 6. , 0.5 SE SLIGO [3	0 0 S OWLS BEND 0 0 7.78, -91.37], 0.4 E 0 0	Flood (due to Heavy Rain) Source: Department of Highways [37.09, -91.21], 6.0 S OWLS BEND Flood (due to Heavy Rain) Source: Department of Highways SLIGO [37.78, -91.37] Flood (due to Heavy Rain) Source: Department of Highways 4, -92.40], 0.7 N MAMMOTH [36.54, Flood (due to Heavy Rain) Source: Department of Highways
MODOT reported that the low water crossing SHANNON COUNTY 6.2 S OWLS BENI [37.09, -91.21] MODOT reported that the low water crossing DENT COUNTY 0.6 E SLIGO [37.78, -91] MODOT reported that the low water crossing OZARK COUNTY 0.7 N MAMMOTH [36, -92.40] MODOT reported that the low water crossing OZARK COUNTY 1.3 ESE ROCKBRIDGO	02/26/13 01:40 CST 02/26/13 03:40 CST Ing along Highway FF was flooded. D [37.09, -91.21], 6.1 S OWLS BEND 02/26/13 03:40 CST 02/26/13 05:40 CST Ing along Highway NN was flooded. D [37.77, -91.37] 02/26/13 04:00 CST 02/26/13 06:00 CST Ing along Highway TT was flooded. D [37.77, -91.37] 02/26/13 06:00 CST 02/26/13 07:00 CST 02/26/13 07:00 CST 02/26/13 09:00 CST Ing along Highway T was flooded.	0 [37.09, -91.21], 6. , 0.5 SE SLIGO [3	0 0 S OWLS BEND 0 0 7.78, -91.37], 0.4 E 0 0	Flood (due to Heavy Rain) Source: Department of Highways [37.09, -91.21], 6.0 S OWLS BEND Flood (due to Heavy Rain) Source: Department of Highways SLIGO [37.78, -91.37] Flood (due to Heavy Rain) Source: Department of Highways 4, -92.40], 0.7 N MAMMOTH [36.54, Flood (due to Heavy Rain) Source: Department of Highways

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Storm Data and Unusual Weather Phenomena - February 2013

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	RESCOTT [37.46, -91.99], 3.7 WNW PRESCO	TT [37.46, -91.99],	3.7 NW PRESCOT	T [37.46, -91.99], 3.9 NW PRESCOTT
[37.46, -91.99]	02/26/13 07:10 CST		0	Flood (due to Heavy Rain)
	02/26/13 09:10 CST		0	Source: Department of Highways
MODOT reported that the low wa	ater crossing along Highway BB was flooded.			
WRIGHT COUNTY 4.4 NE MA [37.17, -92.53]	NSFIELD [37.17, -92.53], 4.2 NE MANSFIELD	[37.17, -92.53], 4.	4 NE MANSFIELD	[37.17, -92.53], 4.5 NE MANSFIELD
[01.111, 02.00]	02/26/13 07:10 CST		0	Flood (due to Heavy Rain)
	02/26/13 09:10 CST		0	Source: Department of Highways
	02/20/10 00:10 00:			
MODOT reported that the low wa	ater crossing along Highway AB was flooded.			
MODOT reported that the low wa				
·	ater crossing along Highway AB was flooded. BORN [37.30, -92.40], 1.5 W RAYBORN [37.3	0, -92.40], 1.3 W R	= -	
·	ater crossing along Highway AB was flooded. (BORN [37.30, -92.40], 1.5 W RAYBORN [37.30], 1.5 W RAYBORN [37.30, -92.40], 1.	0, -92.40], 1.3 W R	0	Flood (due to Heavy Rain)
·	ater crossing along Highway AB was flooded. BORN [37.30, -92.40], 1.5 W RAYBORN [37.3	0, -92.40], 1.3 W R	= -	
WRIGHT COUNTY 1.6 W RAY	ater crossing along Highway AB was flooded. (BORN [37.30, -92.40], 1.5 W RAYBORN [37.30], 1.5 W RAYBORN [37.30, -92.40], 1.	0, -92.40], 1.3 W R	0	Flood (due to Heavy Rain)
WRIGHT COUNTY 1.6 W RAY MODOT reported that the low wa	TBORN [37.30, -92.40], 1.5 W RAYBORN [37.30, 02/26/13 08:00 CST 02/26/13 10:00 CST		0	Flood (due to Heavy Rain) Source: Department of Highways
WRIGHT COUNTY 1.6 W RAY MODOT reported that the low wa	BORN [37.30, -92.40], 1.5 W RAYBORN [37.30, -92.40], 1.5 W RAYBORN [37.30, -92.40], 1.5 W RAYBORN [37.30, -02/26/13 08:00 CST 02/26/13 10:00 CST uter crossing along Highway E was flooded.		0	Flood (due to Heavy Rain) Source: Department of Highways
WRIGHT COUNTY 1.6 W RAY MODOT reported that the low wa	BORN [37.30, -92.40], 1.5 W RAYBORN [37.3 02/26/13 08:00 CST 02/26/13 10:00 CST dter crossing along Highway E was flooded. RAT [37.39, -91.19], 2.3 ENE RAT [37.39, -91.		0 0 [37.39, -91.19], 2.4	Flood (due to Heavy Rain) Source: Department of Highways ENE RAT [37.39, -91.19]
WRIGHT COUNTY 1.6 W RAY MODOT reported that the low wa	BORN [37.30, -92.40], 1.5 W RAYBORN [37.3 02/26/13 08:00 CST 02/26/13 10:00 CST atter crossing along Highway E was flooded. RAT [37.39, -91.19], 2.3 ENE RAT [37.39, -91.02/26/13 09:15 CST		0 0 [37.39, -91.19], 2.4	Flood (due to Heavy Rain) Source: Department of Highways ENE RAT [37.39, -91.19] Flood (due to Heavy Rain)
WRIGHT COUNTY 1.6 W RAY MODOT reported that the low wa	RAT [37.39, -91.19], 2.3 ENE RAT [37.39, -91.02/26/13 11:15 CST		0 0 [37.39, -91.19], 2.4	Flood (due to Heavy Rain) Source: Department of Highways ENE RAT [37.39, -91.19] Flood (due to Heavy Rain)
WRIGHT COUNTY 1.6 W RAY MODOT reported that the low was SHANNON COUNTY 2.3 ENE MODOT reported that the low was OZARK COUNTY 3.2 SSE HA	RAT [37.39, -91.19], 2.3 ENE RAT [37.39, -91.02/26/13 11:15 CST	.19], 2.4 ENE RAT	0 0 [37.39, -91.19], 2.4 0 0	Flood (due to Heavy Rain) Source: Department of Highways FENE RAT [37.39, -91.19] Flood (due to Heavy Rain) Source: Department of Highways
WRIGHT COUNTY 1.6 W RAY MODOT reported that the low wa SHANNON COUNTY 2.3 ENE MODOT reported that the low wa	BORN [37.30, -92.40], 1.5 W RAYBORN [37.3 02/26/13 08:00 CST 02/26/13 10:00 CST ater crossing along Highway E was flooded. RAT [37.39, -91.19], 2.3 ENE RAT [37.39, -91.02/26/13 09:15 CST 02/26/13 11:15 CST oz/26/13 11:15 CST ater crossing along Highway P was flooded.	.19], 2.4 ENE RAT	0 0 [37.39, -91.19], 2.4 0 0	Flood (due to Heavy Rain) Source: Department of Highways FENE RAT [37.39, -91.19] Flood (due to Heavy Rain) Source: Department of Highways

Local law enforcement conducted a water rescue at Haskins Ford Road off of County Road 863.

Slow moving thunderstorms produced localized heavy rainfall and flooding across portions of the Missouri Ozarks.

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